

## ABSTRACT OF DISCLOSURE

Managing metadata in a metadata transmission server by generating a plurality of metadata fragment data by partitioning metadata to be transmitted based upon predetermined segment units, selecting predetermined metadata fragment data from among the plurality of the metadata fragment data, generating metadata-related authentication information using the selected metadata fragment data, and transmitting the selected metadata fragment data and the metadata-related authentication information including data format information indicating type of the selected metadata fragment data. A metadata receiving client uses the transmitted metadata fragment data, the metadata-related authentication information and the metadata format type information to authenticate the received metadata.